BATTERY & CHARGER

CHARGING PROCEDURE

NOTE: The battery can be charged in or out of the mower.

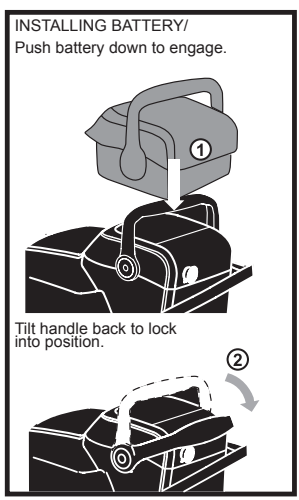
The charger that is supplied with this mower is a specially designed 2-stage charger.

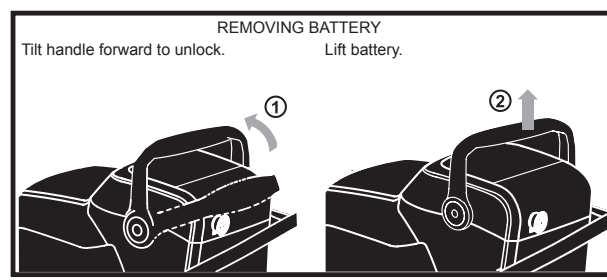
Step 1: The red light will light up during the recharge cycle.

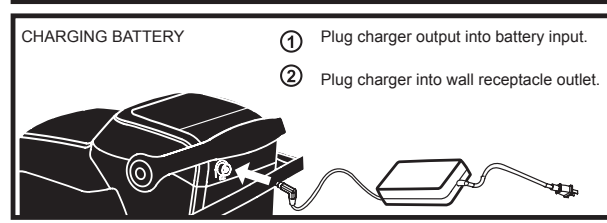
Step 2: The green light will light up when the battery is fully charged.

1. Remove the jack cover.
2. Plug the charger connector into the jack on the battery.
3. Insert the 120 V plug from the charger into the electrical outlet.
4. The red light on the charger should come on, which indicates that the charger is working and the battery is being charged.
   The red light will go out and the green light will come on when the battery is completely charged (it takes approximately 15 hours to charge a fully discharged battery).
5. Battery should be charged after each use regardless of power level. Battery should always be stored in a fully charged state. This battery will not develop a charging memory.

W A R N I N G :
Do not store battery in temperatures lower than 32° F (0° C).



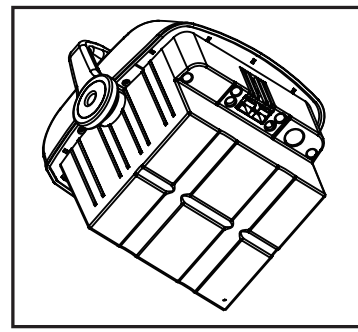




BATTERY & CHARGER

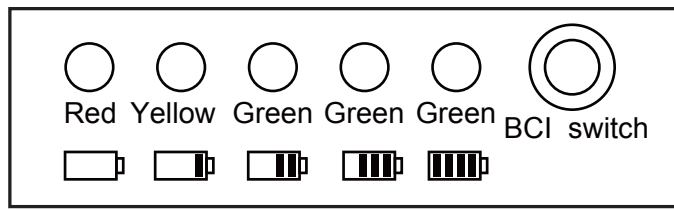
BATTERY USE

NOTE: If the switch does not re-engage or the mower does not run when the battery is installed, contact the toll free helpline 1-888-266-7096.



BATTERY CAPACITY INDICATORS

Push the Battery Capacity Indicator (BCI) switch, which is located on the back of the battery. The lights will indicate the battery's capacity, according the following chart.



Lights	CAPACITY
3 Green Lights	The battery is at full capacity
2 Green Lights	The battery is at 60% capacity
1 Green Light	The battery is at 45% capacity
Yellow Light	The battery is at 25% capacity and requires charging soon
Red Light	The battery is at 20% capacity and requires charging

KNOW YOUR LAWN MOWER

Read this operator's manual and safety rules before operating your lawn mower. Compare the illustration in Figure 1 to your lawn mower in order to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.

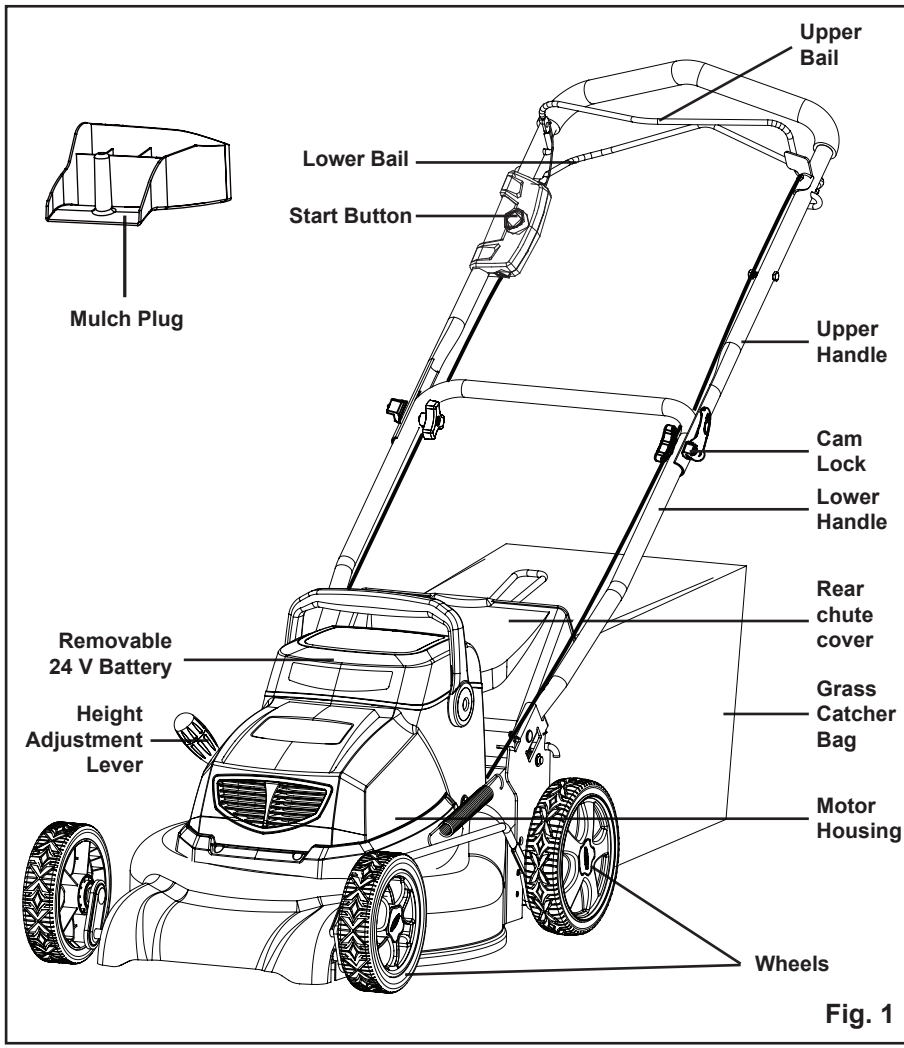


Fig. 1

ASSEMBLY INSTRUCTIONS

UNPACKING

This product has been shipped completely assembled.

- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.
- If any parts are damaged or missing, please call 1-888-266-7096 for assistance.

PACKING LIST

- Lawn mower
- Mulch plug
- Grass catcher bag
- 24V Battery (Pre-installed at the factory)
- Charger
- Owner's Manual

⚠ W A R N I N G

If any parts are damaged or missing, do not operate this product until the parts are replaced. Failure to heed this warning could result in serious personal injury.

⚠ W A R N I N G

Do not assemble the battery until other assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

⚠ W A R N I N G

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse, and could result in a hazardous condition leading to possible serious personal injury.

ASSEMBLY INSTRUCTIONS

⚠ W A R N I N G

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

⚠ W A R N I N G

Always wear safety goggles or safety glasses with side shields when operating power tools. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

⚠ W A R N I N G

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

ASSEMBLING THE HANDLE *(See Figure 2)*

- Remove any packing material which may be between the upper and lower handles for shipping purposes.
- Pull up and back on the upper handle to raise the handle into the operating position. Make certain the lower handle is seated securely into the handle mounting bracket.
- Align the holes (3) between the upper handle (1) and lower (2) handles. Insert the cam locks (4) and tighten them with the wing nuts (5) provided.

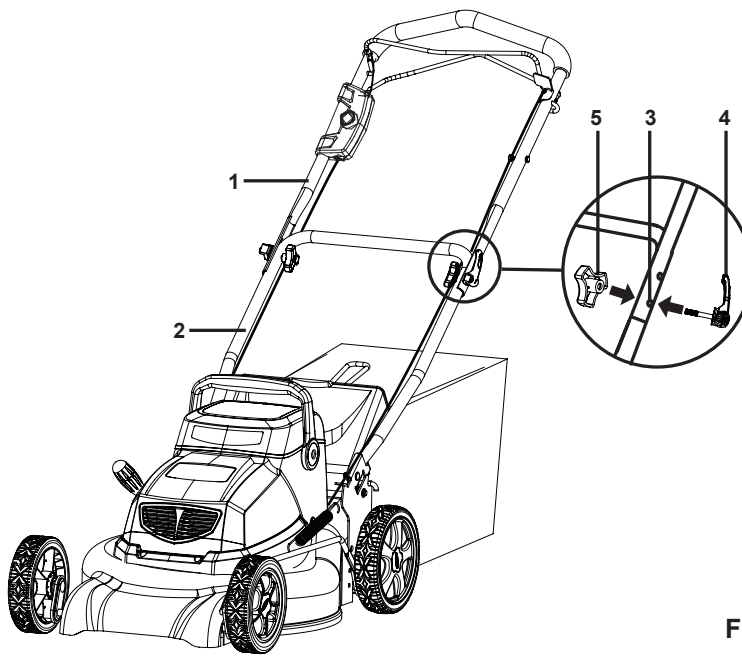


Fig. 2

ASSEMBLY INSTRUCTIONS

INSTALLING THE GRASS CATCHER BAG *(See Figure 3)*

- Lift the chute cover (1).
- Lift the grass catcher by its handle (2) and place under the chute cover so that the hooks (3) on the grass catcher frame are seated into the slots in the handle bracket.
- Release the chute cover. When installed correctly, the hooks on the grass catcher will rest securely in the slots on the handle brackets.

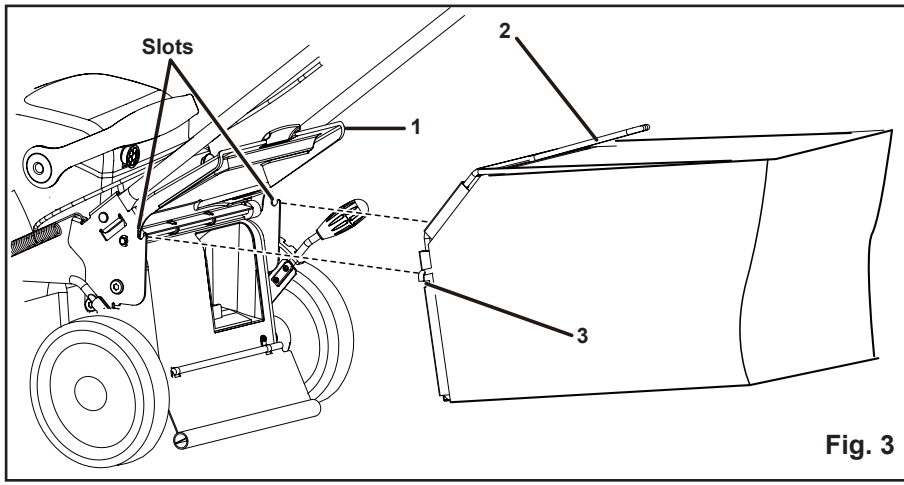


Fig. 3

NOTE: For optimal performance empty grass catcher bag often during use. A full grass bag will inhibit performance of the mower and collection of grass clippings.

ASSEMBLY INSTRUCTIONS

INSTALLATION OR REMOVAL OF THE MULCH PLUG *(See Figure 4)*

- REMOVE THE BATTERY, AND WAIT FOR BLADE TO COME TO A COMPLETE STOP.
- To remove the mulch plug lift the chute cover (1) and pull out on the handle.
- The mulch plug (2) is inserted on an angle so it will require some force when removing.

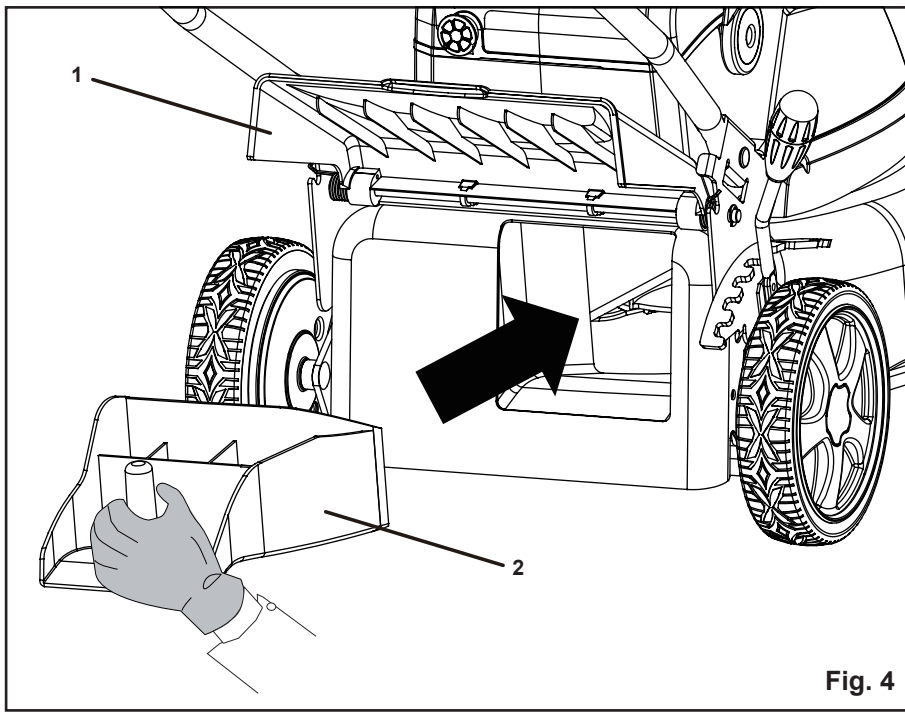


Fig. 4

OPERATING YOUR LAWN MOWER

STARTING/STOPPING THE MOWER *(See Figure 5)*

STARTING THE MOWER:

• Press and hold the start button (1).

• Pull the upper bail (2) toward the handle to start the mower.

• Release the button (1).

STOPPING THE MOWER:

• Release the upper bail (2).

SELF-PROPELLED MOWING

Once the mower has been started, the self-propelled feature is engaged by pulling the lower bail (3) upward to meet the handle.

To disengage the self-propelled feature, release the lower bail (3).

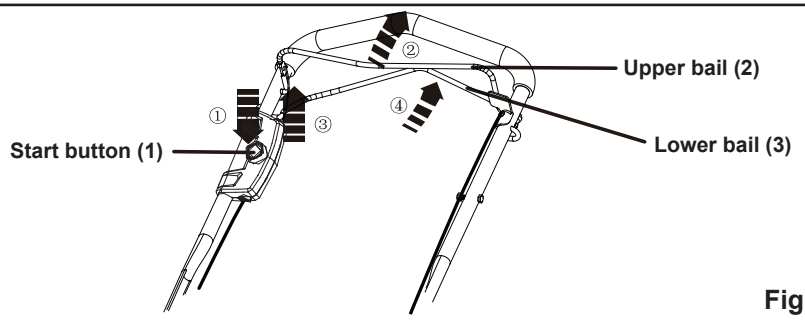


Fig. 5

⚠ C A U T I O N :

Do not attempt to override the operation of the safety key or lever.

⚠ W A R N I N G

The operation of any mower can result in foreign objects being thrown into the eyes, which can cause severe eye damage. Always wear safety glasses while operating the mower and while performing any adjustments or repairs.

⚠ W A R N I N G

Ensure that other people and pets remain at least 50 ft. (15 m) away when the mower is in use.

INSPECT THE CUTTING AREA

Remove all stones, sticks, wire, and other debris that might be thrown by the rotating blades.

OPERATING YOUR LAWN MOWER

CUTTING HEIGHT ADJUSTMENT *(See Figure 6)*

- Simply depress the lever (1) towards the wheel and move to desired position. This sets all wheels to the same position.
- To raise the height, pull the height adjustment lever from the current stop position towards the back of the mower.
- To lower the height, pull the height adjustment lever from the current stop position towards the front of the mower.

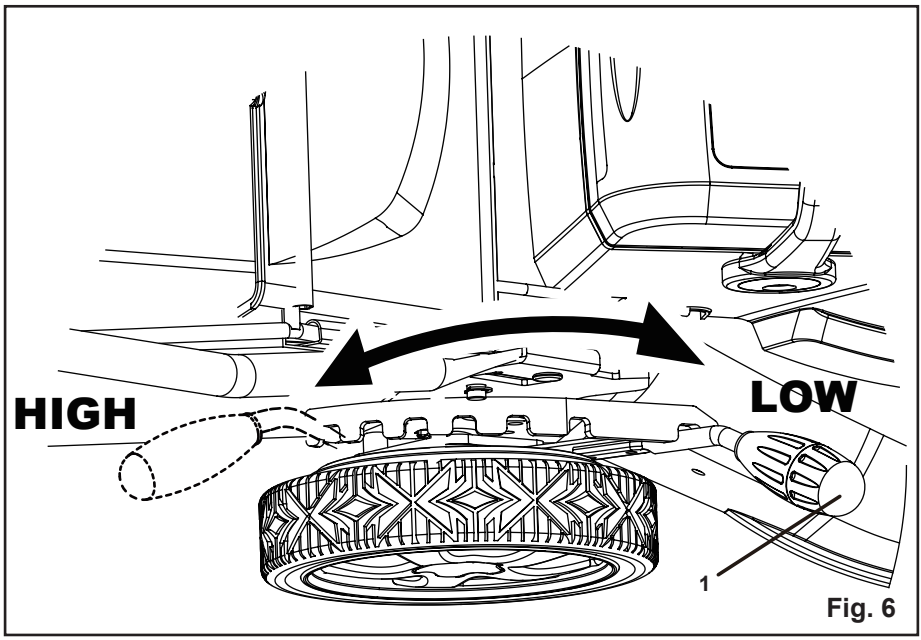


Fig. 6

ADJUST THE UPPER HANDLE HEIGHT *(See Figure 7)*

- Loosen the upper handle knob.
- Adjust the upper handle to the most comfortable of the 2 positions.
- Snug the upper handle knob and lock the cam lock handle to secure.

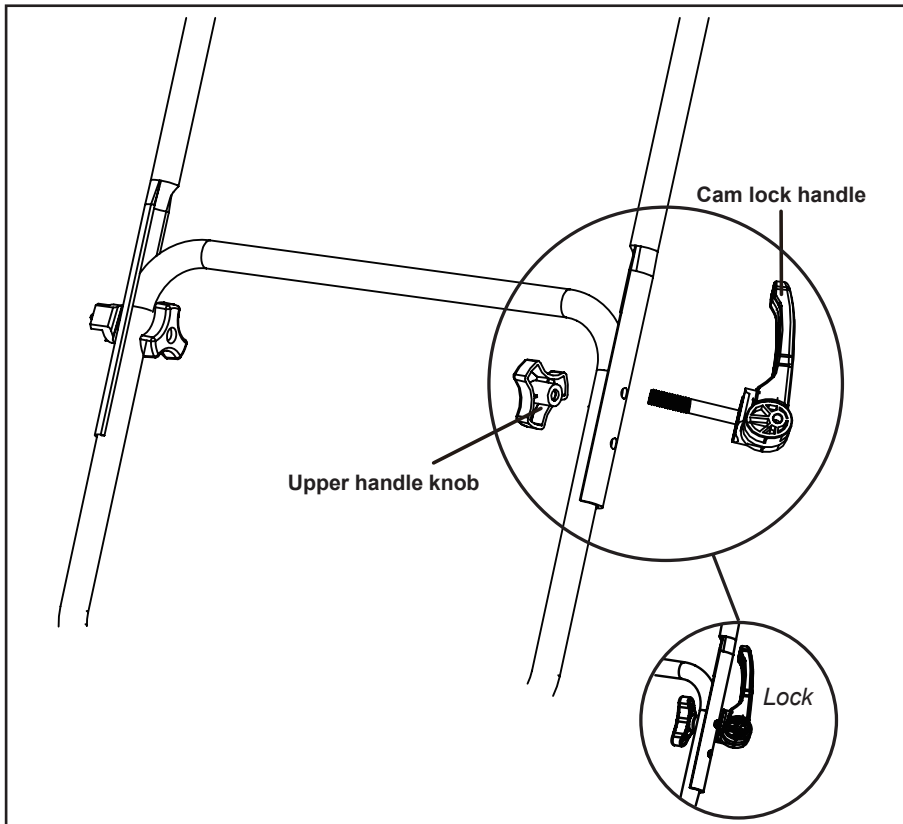


Fig. 7

SLOPE OPERATION

⚠ WARNING

Do not mow a slope that has an angle of greater than 15° (a rise of approximately 2-1/2 ft. [75 m] every 10 ft. [3 m]). Mow across the face of a slope, and never up and down.

- Slopes are a major factor related to slip and fall accidents that can result in severe injury. Operation on slopes requires extra caution. If you feel uneasy on a slope, do not mow it. For your safety, do not attempt to mow slopes greater than 15 degrees.
- Mow across the face of slopes, not up and down. Exercise extreme caution when changing direction on slopes.
- Watch for holes, ruts, rocks, hidden objects, or bumps which can cause you to slip or trip. Tall grass can hide obstacles. Remove all objects such as rocks, tree limbs, etc., which could be tripped over or thrown by the blade.
- Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your balance, release the switch control lever immediately.
- Do not mow near drop-offs, ditches, or embankments; you could lose your footing or balance.

OPERATING YOUR LAWN MOWER

MOWING TIPS

NOTE: A sharp blade will greatly enhance the performance of the mower, especially when cutting high grass. Be sure to check the blade and to sharpen it at least once per year, as described in the Maintenance section.

- Verify that the lawn is free of stones, sticks, wires, and other objects that could damage the blades or the motor. These objects could be accidentally thrown by the mower in any direction, and could cause serious personal injury to the operator and to others.
- In order to prevent electric shock, do not operate the mower in damp or wet conditions.
- Do not mow in circles. Travel back and forth across the lawn.
- When cutting thick grass, reduce walking speed in order to allow for a more effective cut and a proper discharge of the clippings. For a healthy lawn, always cut off one-third or less of the total length of the grass. The average lawn should be approximately 1-1/2 to 2” (3.8 to 5 cm) long during cool months, and more than 2” (5 cm) long during hot months. If there is growth, the lawn should be cut in the fall.

MULCHING TIPS

NOTE: ALWAYS INSPECT AREA WHERE MOWER IS TO BE USED AND REMOVE ALL STONES, STICKS, WIRE, BONES AND OTHER DEBRIS WHICH MIGHT BE THROWN THE ROTATING BLADE.

- Release switch to turn mower OFF when crossing any graveled area (stones can be thrown by the blade).
- Set mower at highest cutting height when mowing on rough ground or in tall weeds.
- For effective mulching, do not cut wet grass, as it tends to stick to the underside of the deck preventing proper mulching of grass clippings. New or thick grass may require a narrower cut. The ground speed should be adjusted to the condition of the lawn. If mowing has been delayed and the grass has been allowed to grow in excess of 4”, mow twice to reduce the grass height to 3-3/4” maximum.
- Walk at a good, steady pace. Overlap your rows. Don’t let the grass get too tall. If the grass gets too long start at the highest cutting position and work down to the desired cutting height.

⚠ W A R N I N G

If you strike a foreign object, stop the motor and disconnect the power cord. Thoroughly inspect the mower for any damage. Repair any damage before operating the mower. Excessive vibration of the mower during operation is an indication of damage. Thoroughly inspect the mower and repair any damage before operating the mower.

CUTTING BLADE REPLACEMENT *(See Figure 8-9)*

⚠ W A R N I N G

Always protect your hands by wearing heavy gloves and/or wrapping the cutting edges with rags or other materials when performing any maintenance on the blades.

- RELEASE THE BAIL SWITCH TO TURN THE MOWER OFF, WAIT FOR THE BLADE TO COME TO A COMPLETE STOP, AND THEN UNPLUG THE POWER CORD.
- While wearing leather padded gloves, wedge a block of wood between the blade and the mower deck in order to prevent the blade from turning when the nut is being removed.
- Using a 15-mm wrench or socket, loosen the blade nut (1) and remove the blade (4). Turn the nut "COUNTERCLOCKWISE" to loosen it and "CLOCKWISE" to tighten it.
- Remove the blade nut (1), the square washer (2), the insulator washer (3), and the blade (4).
- To re-install the blade, position the blade with the cutting edges toward the ground. Assemble the blade nut, the square washer, and the insulator washer as shown in following. Using a 15-mm wrench or socket, turn the blade nut "CLOCKWISE" to secure the blade.

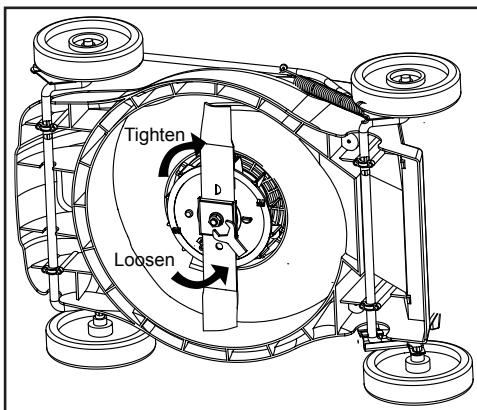


Fig. 8

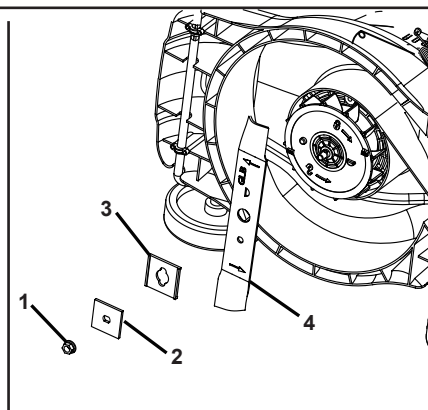


Fig. 9

NOTE: Be sure to replace the parts in the exact order in which they were removed. When installing the cutting blade, verify that it is installed with the curved ends pointing toward the mower deck, and not toward the ground. Refer to the schematic drawing on page 30 of this Manual.